

TECDUR® GF 20 VO NS

Polybutylene Terephthalate

LEIS Polytechnik - polymere Werkstoffe GmbH

Message:

polybutylenterephthalate + 20% glass fibres + flame retardant

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Density	1.55	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6400	MPa	ISO 527-2
Tensile Stress	80.0	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	33	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	205	°C	ISO 75-2/A
Melting Temperature	223	°C	ISO 11357-3
Thermal Conductivity	0.23	W/m/K	DIN 52612
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	IEC 60093

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